## Claims

- [01] 1. A beneficial material for medical application in association with a substrate comprising:
  - a support material; and
  - a reactive material associated with the support material,

wherein the reactive material is selected from the group comprising water insoluble peroxides and water insoluble excess oxygen containing compounds.

- [c2] 2. The beneficial material of claim 1 wherein the support material comprises one of the group consisting of: ionomers, anion exchange membranes, cation exchange membranes, Nasicon and Nafion.
- [c3] 3. The beneficial material of claim 1 wherein a substrate may comprise one of the group consisting of: formulations in a paste, putty, epoxy, adhesive, glue, spray or tar form for topical application, wound healing devices, prosthetic devices and other implantable devices.
- [c4] 4. The beneficial material of claim 1 wherein the water insoluble peroxides comprise one of the group consisting of: MgO<sub>2</sub>, BaO<sub>2</sub>, SnO<sub>2</sub>, AgO, CaO<sub>2</sub>, CuO<sub>2</sub> and ZnO<sub>2</sub>.

- [c5] 5. The beneficial material of claim 1 wherein the water insoluble excess oxygen containing compounds comprise one of the group consisting of perovskites of La  $_2NiO_4+\delta$ , La $_2CuO_4+\delta$ , CeNiO $_4+\delta$  and Ce $_2CuO_4+\delta$ .
- [c6] 6. A wound healing device comprising:
  - a substrate capable of association with a wound of a human or other animal; and
  - a reactive material associated with the substrate, wherein the reactive material is selected from the group comprising comprises water insoluble peroxides and water insoluble excess oxygen containing compounds.
- [c7] 7. The wound healing device of claim 6 wherein the substrate comprises one of a woven pad and a gauze pad.
- [08] 8. A method of incorporating a beneficial material to a fluid or semi-solid substrate comprising the steps of:
  - providing a fluid or semi solid substrate;
  - providing the beneficial material; and
  - mixing the beneficial material within the substrate, wherein the beneficial material is selected from the group comprising water insoluble peroxides and water insoluble excess oxygen containing compounds.
- [09] 9. The method of claim 8 further comprising the step of granulating the beneficial material.

[c10] 10. The method of claim 9 wherein the substrate may comprise one of the group consisting of paint, epoxy, adhesive, glue and tar.